

013022-9

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

A61K 39/00

A2

(11) International Publication Number:

WO 98/39025

(43) International Publication Date: 11 September 1998 (11.09.98)

(21) International Application Number:

PCT/GB98/00681

(22) International Filing Date:

3 March 1998 (03.03.98)

(30) Priority Data:

97/1817 97/10300 3 March 1997 (03.03.97) ZA

14 November 1997 (14.11.97) **7.A**

(71) Applicant (for all designated States except IS US): AD-COCK INGRAM LIMITED [ZA/ZA]; 17 Harrison Street, Bryanston 2021 (ZA).

(71) Applicant (for IS only): LEWIN, John, Harvey [GB/GB]; Elkington and Fife, Prospect House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VERSCHOOR, Jan, Adrainus [ZA/ZA]; 414 Rossouw Street, The Willows, Pretoria 0002 (ZA). LENAERTS, Anne [BE/BE]; Steeneikstraat 35, B-3600 Genk (BE). JOHANNSEN, Elzbieta [PL/ZA]; 45 Idol Road, Lynwood Glen, Pretoria 0002 (ZA).

(74) Agents: LEWIN, John, Harvey et al.: Elkington and Fife. Prospect House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR (GB).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT. BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: A COMPOSITION COMPRISING A CARRIER AND A PURIFIED MYCOBACTERIAL LIPID CELL-WALL COMPO-NENT AND ITS USE IN THE PREVENTION, TREATMENT AND DIAGNOSIS OF DISEASE

(57) Abstract

A composition comprising a purified lipid cell-wall component or analog or derivative thereof and a suitable pharmaceutical carrier, medium, excipient or adjuvant is described. The composition is useful in prophylactic and therapeutic methods of treating a microbial infection in a subject, typically a mycobacterial infection such as tuberculosis, and immune disorders, inflammatory conditions and allergies in a subject, typically autoimmune diseases. It is also useful in diagnostic methods. The purified lipid cell-wall component is typically a purified mycolic acid or a mixture of purified mycolic acids from a bacterium which produces mycolic acids. The bacterium is from Mycobacterium, Corynebacterium, Nocardia or Rhodococcus.

EXPRESS MAIL LABEL NO.: EL699732331US

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

			•				01
AL	Albanía	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
ΑŬ	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	,MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	. GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Paso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Vict Nam ·
CG	Congo	KE	Кепуа	NL	Netherlands	YU	Yugoslavia
СН	Switzerland	KG	Kyrgyzstan	NO	Norway	·zw	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand	•	
СМ	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
cz	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
FE	Estonia	LR	Liberia	SG	Singapore		